

**Port Kelley Fire**  
**BURNED AREA EMERGENCY STABILIZATION AND REHABILITATION (ESR) PLAN**

**AGENCY/UNIT:** US Fish and Wildlife Service/McNary National Wildlife Refuge

**LOCATION:** Walla Walla County near Burbank, WA,

**DATE:** September 27, 2001

**PREPARED BY:** Howard W. Browsers  
Wildlife Biologist  
Mid-Columbia River Refuges Complex  
U.S. Fish and Wildlife Service  
Pasco, WA

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## **SUMMARY OF RECOMMENDATIONS**

### **Introduction**

This plan has been prepared in accordance with FWS Service Manual 095 FW 3.9. This plan provides burned area emergency stabilization and rehabilitation (ESR) recommendations for lands burned within the Port Kelley Fire perimeter administered by the U.S. Fish & Wildlife Service (FWS). The primary objectives of this plan are:

#### **Emergency Stabilization**

- To prescribe cost effective post-fire stabilization measures necessary to protect human life, property, and critical cultural and natural resources.
- To stabilize and prevent further degradation to affected resources on lands within the fire perimeter or downstream impact areas and mitigate damages caused by fire suppression operations in accordance with approved refuge management plans and policies, and all relevant federal, state, and local laws and regulations.

#### **Rehabilitation**

- To repair or improve lands unlikely to recover naturally from severe wildland fire damage by emulating historic or pre-fire ecosystem structure, function, diversity, and dynamics according to approved refuge management plans.
- Restore or establish healthy, stable ecosystems, even if these ecosystems cannot fully emulate historic or pre-fire conditions as specified in approved refuge management plans.

This plan addresses emergency stabilization and rehabilitation of fire suppression and fire damages. The individual treatments specifications including the effectiveness monitoring identified in the assessments can be found in Part F. A summary of the costs by jurisdictions is in Part E. Appendix I contains the National Environmental Policy Act (NEPA) compliance documentation summary. Appendix II contains the ESR Plan maps. Appendix III contains photo documentation.

### **Fire Background**

The fire began in mid-afternoon (approximately 1600 h) on Saturday, July 28, with multiple ignitions adjacent to the Union Pacific Railroad track coincident with a passing train. The fire started on lands protected by Walla Walla Protection district #6 and spread to the adjacent Wallula Unit of McNary National Wildlife Refuge. Due to extreme dryness and winds (sustained 25, with gusts to 40 mph), the fire quickly escalated to over 3500 acres. The fire threatened structures, agricultural lands, and privately and publicly owned utility infrastructures.

Local and mutual aid resources were inadequate to effectively combat the fire, and state fire resources mobilization was approved at 1820 h. State Incident Management Team 1 assumed command of the incident at 1030 h on July 29, 2001. Resources utilized during the term of the incident were from U.S. Forest Service, U.S. Fish and Wildlife Service, Washington Department of Natural Resources, local fire districts, state mobilized fire service resources, and private resources. At the peak there were 311 firefighters, more than 45 engines, 4 tenders, 2 dozers, 1 air tanker, and 2 helicopters. The fire was

declared controlled on July 30 and the firefighting force reduced. Team demobilization occurred on July 31. Fire management was transferred back to Refuge Fire personnel at that time. Refuge staff and contractors continued to monitor the fire until officially declared out on August 6, 2001.

### **Fire Damages and Threats to Human Safety and Natural and Cultural Resources**

The Port Kelley fire damaged approximately 1400 acres of McNary National Wildlife Refuge's Wallula Unit along the lower Walla Walla River. Suppression activities largely included burnouts of unburned areas rather than direct attack. Total habitat damage includes about 700 acres of sagebrush shrub-steppe and 700 acres of cottonwood/willow riparian bottomland. These habitats are not fire tolerant and the loss of most of the sagebrush shrubs and many cottonwood trees will be permanent, impacting migratory birds and other native wildlife. Suppression activities accounted for loss of approximately 240 acres of sagebrush-steppe. Loss of large cottonwoods will reduce perching and roosting sites for federally listed bald eagles which winter on McNary Refuge. Areas now devoid of vegetation may become a hazard to motorists on adjacent roadways due to blowing sand and dust. Increased erosion of sand and silt material into the Walla Walla River may also occur in areas devoid of vegetation to the detriment of federally listed salmonids. Any natural re-vegetation will likely result in increased noxious weeds. Cultural resources may have been damaged and may also now be exposed and vulnerable to theft. North Shore road, which is the primary access for the general public, received significant damage from the heavy fire fighting vehicle traffic.

### **McNary National Wildlife Refuge Management Requirements**

The Wallula Unit is owned by the U.S. Army Corps of Engineers and managed by the U.S. Fish and Wildlife Service through a Cooperative Agreement. The Wallula Unit is managed for the purposes of development, conservation and management of recreation and wildlife resources thereon in accordance with the General Plan, as specified in Cooperative Agreement DACW68-4-00-13, and under the authority of the Refuge Administration Act of 1966 as amended. The mission is to "conserve and manage fish, wildlife, and plants for the benefit of present and future generations."

The following statements in the approved Wallula Unit Operational Management Plan justify the proposed burned area rehabilitation treatments funded with Emergency Rehabilitation funds:

"Improve wetland, riparian, and upland habitats by reducing or eliminating invasive exotic species and restoring native vegetation."

"Conserve and promote biological diversity."

"Manage to promote the recovery of endangered and threatened species."

## **PART A - FIRE LOCATION AND BACKGROUND INFORMATION**

Fire Name	Port Kelley
Fire Number	1892
Agency Unit	U.S. Fish and Wildlife Service
Region	Pacific Northwest
State	Washington
County	Walla Walla
Ignition Date/Cause	July 28, 2001/ Sparks from passing train
Zone	Pacific Northwest
Date Controlled	July 30, 2001
Jurisdiction	US Fish and Wildlife Service (FWS)
FWS - McNary NWR	1400
Total Acres	1400
Date Contained	July 29, 2001

## **PART B - NATURE OF PLAN**

### **I. Type of Plan (check one box below)**

	Emergency Stabilization
	Rehabilitation
X	Both Emergency Stabilization and Rehabilitation

### **II. Type of Action (check one box below)**

X	Initial Submission
	Updating or Revising the Initial Submission
	Supplying Information of Accomplishment to Date on Work
	Final Accomplishment Report (To Comply with the Closure of the 9262 Account)

## **PART C - EMERGENCY STABILIZATION AND REHABILITATION ASSESSMENT**

### **I. Emergency Stabilization Objectives**

- A. Locate and stabilize severely burned areas which pose a direct threat to human life, property or critically important cultural and/or natural resources. Areas near Highway 12 which constitute a hazard to motorists due to blowing sand are especially critical.

## II. Rehabilitation Objectives

- A. As practical and necessary, restore natural conditions to areas disturbed by fire suppression actions.
- B. Prevent the establishment of non-native invasive plants.
- C. Recommend post fire rehabilitation prescriptions which prevent irreversible loss of natural and cultural resources.
- D. Provide long term monitoring recommendations intended to ensure the success of rehabilitation efforts.

## PART D - TEAM ORGANIZATION, MEMBERS, AND RESOURCE ADVISORS

I. A Burned Area Emergency Stabilization and Rehabilitation Team was requested but none was assigned. This report has been prepared by Howard Browsers, Wildlife Biologist, Mid-Columbia River Refuges Complex.

II. Resource Advisors: (Note: Resource Advisors are individuals who assisted the ESR Team with the preparation of the plan. See Part H for a full list of agencies and individuals who were consulted or otherwise contributed to the development of the plan.

Name	Affiliation
David Linehan	Mid Columbia River Refuges Complex, Deputy Project Leader
Rebecca Chuck	McNary National Wildlife Refuge, Manager

## PART E - SUMMARY OF ACTIVITIES AND COSTS

The summary of activities and cost table below identifies emergency stabilization and rehabilitation costs charged or proposed for funding from Suppression Operations, Emergency Rehabilitation, agency operation, and other funding sources. Expenditures are displayed in the total cost column. They are coded with the appropriate cost authority. The total cost of the rehabilitation effort to date, excluding the costs absorbed by the fire account (fire crews, labor, and associated overhead) is displayed as either Suppression Operations (**9261**), Emergency Rehabilitation (**9262**), or Agency Operations (**1261**) or other.

Fire Name: Port Kelley

As of September 26, 2001

### Specification Cost Summary

Account	Dollars	Dollars
Fire Suppression Damage Rehabilitation (9261)		
Emergency Rehabilitation (9262)		\$144,161
Emergency Stabilization	\$	
Rehabilitation	\$	
Agency Operations (1261)		
Other Accounts		
Funding Summary - Estimated Total		\$144,161

### PART E - SUMMARY OF EMERGENCY STABILIZATION/REHABILITATION ACTIVITIES - COST SUMMARY TABLE - Port Kelley Fire

Spec #	Title	Unit	Unit Cost	# of Units	Cost by Funding Source				Implementation Method	Specification Total
					9261	9262	1261	Other		
1	Noxious weed control	Acre		1400	\$	\$ 29,281			P,C	\$ 29,281
2	Riparian tree plantings	Acre		700	\$	\$ 21,504			P	\$ 21,504
3	Native grass and shrub plantings	Acre		600	\$	\$ 54,284			P,C	\$ 54,284
4	Cultural resources inventory	Acre		1000	\$	\$ 11,750			C	\$ 11,750
5	Rework North Shore Road	Mile		1 ½	\$	\$ 27,342			C,P	\$ 27,342
<b>TOTAL COST</b>					\$ 0	\$144,161	\$ 0	\$ 0		\$ 144,161
<b>COST:</b> 9261=Suppression Operations, 9262=Emergency Rehabilitation, 1261=Agency Operations Funding, Other <b>METHOD:</b> FC=Crew Assigned to Fire, C=Contract, EFC=Emergency Fire Contract, P=Agency Personnel										

## PART F - SPECIFICATIONS

<b>SPECIFICATION TITLE:</b>	Noxious Weed Control	<b>AGENCY:</b>	FWS
<b>PART E LINE ITEM:</b>	1	<b>FISCAL YEAR(S) (list each year):</b>	2002, 2003, 2004

### I. WORK TO BE DONE (describe or attach exact specifications of work to be done):

<p><b>Number and Describe Each Task:</b></p> <p><b>A. General Description:</b> Control noxious weed infestations which are likely to increase post-fire. Current weed species observed include Yellow starthistle, knapweed (diffuse and Russian), poison hemlock, phragmites, Canada thistle, purple loosestrife, and perennial pepperweed. Utilize integrated pest management techniques (herbicides, biological, mechanical and cultural control methods) as appropriate to prevent the spread and establishment of noxious weeds within the fire area.</p> <p><b>B. Location/(Suitable) Sites:</b> Riparian bottomland along Walla Walla River. Upland areas north and south of Walla Walla River.</p> <p><b>C. Design/Construction Specifications:</b></p> <p>1. Control noxious weeds in fall 2001 prior to planting native vegetation and in spring 2002 and fall 2003 following native grass, shrub, and tree plantings.</p> <p><b>B. Purpose of Treatment Specifications:</b> Reduce competition for native plantings and help to restore ecological integrity. Reduce the spread of weeds to adjacent lands.</p>
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### II. LABOR, MATERIALS AND OTHER COST:

<b>? PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b> Do not include contract personnel costs here (see contractor services below).	<b>COST/ITEM</b>
WG - 6 - Weed Control Specialist/Tractor Operator x \$170/day 15 days x 3 years	\$7,650
GS-5 Wildlife Biologist x \$110/day x 5 days x 2 years	\$1,100
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$8,750</b>
<b>? EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	<b>COST/ITEM</b>
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	
<b>? MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Roundup Herbicide - 28 gallons x \$41/gallon x 1 year	\$1,148
2,4-D Herbicide - 30 gallons x \$11.00/gallon x 1 year	\$330
Transline Herbicide -10 gallons x \$300/gallon x 1 year	\$3,000
Telar Herbicide - 28 pints x \$307/pint x 1 year	\$8,596
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$13,074</b>
<b>? TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
GOV - 50 miles/day x 55 days x \$.37/mile	\$1,017
<b>TOTAL TRAVEL COST</b>	<b>\$1,017</b>
<b>? CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Aerial herbicide spray application @ \$4.60/acre x 700acres x 2years	\$6,440
<b>TOTAL CONTRACT COST</b>	<b>\$6,440</b>



**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Labor	\$170/day	15 days	\$2,550	9262	P
FY 1	Labor	\$110/day	5 days	\$550	9262	P
FY-1	Herbicide			\$13,074	9262	C
FY-1	Aerial spraying	\$4.60/acre	1,200.0	\$6,440	9262	C
FY-1	Travel	\$.37/mile	1,000.0	\$370	9262	P
FY-2	Labor	\$170/day	15 days	\$2,550	9262	P
FY-2	Labor	\$110/day	5 days	\$550	9262	P
FY-2	Travel	\$.37/mile	1,000.0	\$370	9262	P
FY-3	Labor	\$170/day	15 days	\$2,550	9262	P
FY-3	Travel	\$.37/mile	750.0	\$277	9262	P
<b>TOTAL</b>				<b>\$29,281</b>		

**FUNDING SOURCE**

**9261** - Suppression Operations  
**9262** - Emergency Rehabilitation  
**1261** - Agency Operations  
**Other**

**METHODS**

**P** - Agency Personnel Services  
**C** - Contract (long-term)  
**EFC** - Emergency Fire Contract (short-term)  
**FC** - Incident Management Crew Assignment

**SOURCE OF COST ESTIMATE**

<b>1. Estimate obtained from 2-3 independent contractual sources.</b>	C,M
<b>2. Documented cost figures from similar project work obtained from local agency sources.</b>	T
<b>3. Estimate supported by cost guides from independent sources or other federal agencies</b>	
<b>4. Estimates based upon government wage rates and material cost.</b>	P, T
<b>5. No cost estimate required - cost charged to Fire Suppression Account</b>	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

**III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:**

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report:
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**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	Riparian Plantings	<b>AGENCY:</b>	FWS
<b>PART E LINE ITEM:</b>	2	<b>FISCAL YEAR(S) (list each year):</b>	2002, 2003

**I. WORK TO BE DONE** (describe or attach exact specifications of work to be done):

<b>Number and Describe Each Task:</b>	
<b>A. General Description:</b>	
<b>B. Location/(Suitable) Sites:</b>	Walla Walla River floodplain
<b>C. Design/Construction Specifications:</b>	
1. Prepare site for planting, e.g. mowing, herbicide treatment	
2. Plant cottonwood and willow trees in fall/winter 2001	
3. Conduct follow-up monitoring to determine success of plantings	
<b>B. Purpose of Treatment Specifications:</b> Restore ecological integrity to site and help to replace trees that will not be replaced through natural re-vegetation. Help to reduce erosion into Walla Walla River which may threaten federally listed steelhead critical habitat. Planted trees will eventually provide perch sites for bald eagles as well as habitat for other migratory birds.	

## II. LABOR, MATERIALS AND OTHER COST:

<b>? PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b> Do not include contract personnel costs here (see contractor services below).	<b>COST/ITEM</b>
WG-6 Tractor Operator x \$170/day x 20 days x 1 year	\$3,400
GS-11 Wildlife Biologist/Vegetation Specialist x \$270/day x 10 days x 2 years	\$5,400
GS-5 Wildlife Biologist x 110/day x 10 days x 1 year	\$1,100
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$9,900</b>
<b>? EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	<b>COST/ITEM</b>
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	
<b>? MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
8,000 tree seedlings x \$.80/ plant	\$6,400
Planting materials - tree mats (8,000 x \$0.61/mat) and staples (8,000 x \$.05/ea)	\$5,280
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$11,680</b>
<b>? TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
GOV-50 miles/day x 50 days x \$.37/mile	\$925
<b>TOTAL TRAVEL COST</b>	<b>\$925</b>
<b>? CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
<b>TOTAL CONTRACT COST</b>	

### SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY-1	Labor	\$170/day	20 days	\$3,400	9262	P
FY 1	Labor/Veg expertise	\$270/day	10 days	\$2,700	9262	P
FY-1	Labor	\$110/day	10 days	\$1,100	9262	P
FY-1	Travel	\$.37/mile	1,250.0	\$462	9262	P
FY-1	Plants	\$.80/plant	8,000.0	\$6,400	9262	C
FY-1	Planting materials	\$.061/ea \$0.05/ ea	8,000.0	\$4880 \$400	9262	C
FY-2	Labor/Veg expertise	\$270/day	10 days	\$2,700	9262	P
FY-2	Travel	\$.37/mile	125.0	\$462	9262	P
<b>TOTAL</b>				<b>\$20,504</b>		

#### FUNDING SOURCE

**9261** - Suppression Operations  
**9262** - Emergency Rehabilitation  
**1261** - Agency Operations  
**Other**

#### METHODS

**P** - Agency Personnel Services  
**C** - Contract (long-term)  
**EFC** - Emergency Fire Contract (short-term)  
**FC** - Incident Management Crew Assignment

### SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	M, T
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	P, T
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

### III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report:
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## PART F - SPECIFICATIONS

<b>SPECIFICATION TITLE:</b>	Ecological stabilization - Native grassland sagebrush and bitterbrush planting	<b>AGENCY:</b>	FWS
<b>PART E LINE ITEM:</b>	3	<b>FISCAL YEAR(S) (list each year):</b>	2002, 2003

### I. WORK TO BE DONE (describe or attach exact specifications of work to be done):

<p><b>Number and Describe Each Task:</b></p> <p><b>A. General Description:</b> In Fall of 2001, plant upland areas with native grass seed in conjunction with weed control in order to stabilize area. In Fall on 2002, plant 20,000 sagebrush and bitterbrush seedlings.</p> <p><b>B. Location/(Suitable) Sites:</b> Upland areas on Wallula Unit north and south of Walla Walla River.</p> <p><b>C. Design/Construction Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Plant custom native grass seed mix in Fall 2001 using aerial application methods.</li> <li>2. Conduct cheatgrass and broadleaf weed control using herbicides or mechanical methods prior to planting in Fall 2001 and in Spring 2002 following planting to control weeds and reduce competition for grass seedlings.</li> <li>3. Plant 20,000 sagebrush and bitterbrush seedlings in Fall 2002.</li> <li>4. Conduct weed control if necessary prior to planting sagebrush seedlings.</li> <li>5. Conduct follow-up monitoring in Spring 2002 and 2003 to determine success and survival of plantings.</li> </ol> <p><b>B. Purpose of Treatment Specifications:</b> Restore the ecological integrity of the site and replace shrubs that will not be replaced through natural re-vegetation.</p>
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### II. LABOR, MATERIALS AND OTHER COST:

<b>? PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b> Do not include contract personnel costs here (see contractor services below).	<b>COST/ITEM</b>
WG-6 Tractor Operator x \$170/day x 10 days X 1 year	\$1,700
GS-11 Wildlife Biologist/Vegetation Specialist x \$270/day x 15 days x 2 years	\$8,100
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$9,800</b>
<b>? EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	<b>COST/ITEM</b>
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	
<b>? MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Native grass seed-2800 lbs x \$5.00/lb x 1 year	\$14,000
Sagebrush seedlings-15,000 x \$.80/plant x 1 year	\$12,000
Bitterbrush seedlings-5,000 x \$.80/plant x 1 year	\$4,000
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$30,000</b>
<b>? TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
GOV-50 miles per day x 60 days x \$.33/mile x 2 years	\$1,109
<b>TOTAL TRAVEL COST</b>	<b>\$1,109</b>
<b>? CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Contract planting of shrub seedlings 20,000 plants x \$.45/plant	\$9,000
Aerial native grass seed planting @ \$.625/acre x 700 acres	\$4,375
<b>TOTAL CONTRACT COST</b>	<b>\$13,375</b>

### SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY-1	Labor	\$170/day	10 days	\$1,700	9262	P
FY-1	Labor	\$270/day	15 days	\$4,050	9262	P
FY 1	Lbs of Seed	\$5.00/pound	2,800.0	\$14,000	9262	C
FY-1	Seed planting	\$6.25/Acre	700.0	\$4,375	9262	C
FY-1	Travel	\$.37/mile	2,250.0	\$832	9262	P
FY-2	Shrub Planting	\$.45/plant	20,000.0	\$9,000	9262	C
FY 2	Plants	\$0.80	20,000.0	\$16,000	9262	C
FY 2	Labor	\$270/day	15 days	\$4,050	9262	P
FY-2	Travel	\$.37/mile	750.0	\$277	9262	P
<b>TOTAL</b>				<b>\$54,284</b>		

#### FUNDING SOURCE

**9261** - Suppression Operations  
**9262** - Emergency Rehabilitation  
**1261** - Agency Operations  
**Other**

#### METHODS

**P** - Agency Personnel Services  
**C** - Contract (long-term)  
**EFC** - Emergency Fire Contract (short-term)  
**FC** - Incident Management Crew Assignment

### SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	M,T,C
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	P, T
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

### III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report:
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## PART F - SPECIFICATIONS

<b>SPECIFICATION TITLE:</b>	Cultural resources inventory to assess damage to previously documented sites and areas impacted by fire suppression activities and rehabilitation	<b>AGENCY:</b>	FWS
<b>PART E LINE ITEM:</b>	4	<b>FISCAL YEAR(S) (list each year):</b>	2002

### I. WORK TO BE DONE (describe or attach exact specifications of work to be done):

<b>Number and Describe Each Task:</b>	
<b>A. General Description:</b>	Visit previously documented sites and assess damage. Conduct cultural resources inventory of locations disturbed by fire suppression or with the potential to be impacted by rehabilitation activities.
<b>B. Location/(Suitable) Sites:</b>	Upland areas north and south of Walla Walla River as well as Walla Walla river bottomland areas.
<b>C. Design/Construction Specifications:</b>	
1.	Consult with Confederated Tribes of Umatilla
2.	Contract with Confederated Tribes of Umatilla to assess damage to known sites and inventory suppression areas and areas subject to rehabilitation disturbance.
3.	Complete damage assessment forms and photodocument, map, and GPS all cultural resources damaged by fire suppression activities and those that may potentially be affected by rehabilitation activities.
4.	Prepare individual site treatment plans appropriate to the significance of the resource and level of disturbance or damage.
<b>B. Purpose of Treatment Specifications:</b> Identification, evaluation, protection and mitigation of adverse effects of cultural resources.	

### II. LABOR, MATERIALS AND OTHER COST:

<b>? PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b> Do not include contract personnel costs here (see contractor services below).	<b>COST/ITEM</b>
<b>TOTAL PERSONNEL SERVICE COST</b>	
<b>? EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	<b>COST/ITEM</b>
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	
<b>? MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
<b>TOTAL MATERIALS AND SUPPLY COST</b>	
<b>? TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
<b>TOTAL TRAVEL COST</b>	
<b>? CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Contract with Confederated tribes of Umatilla per their bid	\$11,750
<b>TOTAL CONTRACT COST</b>	\$11,750

### SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	\$11,750				9262	C
<b>TOTAL</b>						

#### FUNDING SOURCE

**9261** - Suppression Operations  
**9262** - Emergency Rehabilitation  
**1261** - Agency Operations  
**Other**

#### METHODS

**P** - Agency Personnel Services  
**C** - Contract (long-term)  
**EFC** - Emergency Fire Contract (short-term)  
**FC** - Incident Management Crew Assignment

### SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	C
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

### III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report:
---

## PART F - SPECIFICATIONS

<b>SPECIFICATION TITLE:</b>	Repair of North Shore Road	<b>AGENCY:</b>	FWS
<b>PART E LINE ITEM:</b>	5	<b>FISCAL YEAR(S) (list each year):</b>	2002

**I. WORK TO BE DONE** (describe or attach exact specifications of work to be done):

<b>Number and Describe Each Task:</b>	
<b>A. General Description:</b>	Grade and re-work gravel road damaged by use of numerous heavy fire trucks.
<b>B. Location/(Suitable) Sites:</b>	North Shore Road, Wallua Unit
<b>C. Design/Construction Specifications:</b>	<ol style="list-style-type: none"> <li>1. Grade to eliminate washboard and re-distribute gravel back onto road surface.</li> <li>2. Add gravel to heavily damaged sites where gravel was displaced.</li> </ol>
<b>B. Purpose of Treatment Specifications:</b>	Return North Shore Road to pre-fire condition.

## II. LABOR, MATERIALS AND OTHER COST:

<b>? PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item):</b> Do not include contract personnel costs here (see contractor services below).	<b>COST/ITEM</b>
WG-6 - Tractor Operator @ \$170/day x 5 days x 1 year	\$850
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$850</b>
<b>? EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item):</b> Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	<b>COST/ITEM</b>
Grader @ 110/hour x 40 hours x 1 year	\$4,400
Water truck @ 100/hour x 40 hours x 1 year	\$4,000
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$8,400</b>
<b>? MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Gravel @ \$6/linear foot x (3000 ft gravel, 2inches thick, 18 ft wide)	\$18,000
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$18,000</b>
<b>? TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
GOV - 50 miles/day x 5 days x \$.37/mile	\$92
<b>TOTAL TRAVEL COST</b>	<b>\$92</b>
<b>? CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
<b>TOTAL CONTRACT COST</b>	

### SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	Labor	\$170/day	5 days	\$850	9262	P
FY 1	EquipmentRental	\$110/hour	40 hours	\$4,400	9262	C
FY-1	EquipmentRental	\$100/hour	40 hours	\$4,000	9262	C
FY-1	Gravel	\$6/linear foot	3000 feet	\$18,000	9262	C
FY-1	Travel	\$.37/mile	250 miles	\$92	9262	P
<b>TOTAL</b>				<b>\$27,342</b>		

#### FUNDING SOURCE

**9261** - Suppression Operations  
**9262** - Emergency Rehabilitation  
**1261** - Agency Operations  
**Other**

#### METHODS

**P** - Agency Personnel Services  
**C** - Contract (long-term)  
**EFC** - Emergency Fire Contract (short-term)  
**FC** - Incident Management Crew Assignment



#### SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	C
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	P, T
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, E = Equipment M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

#### III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within ESR Plan Accomplishment Report:
---

## PART G - POST-REHABILITATION REQUIREMENT<sup>1</sup>

The following are post-rehabilitation, implementation, operation, maintenance, monitoring, and evaluation actions beyond three years to ensure the effectiveness of initial investments. Estimated annual cost and funding source is indicated.

- I. Emergency Stabilization
  - A. Continue invasive species monitoring and control (\$20,000 - 1261)
- II. Rehabilitation
  - A. Long-term Monitoring
    - 1. Monitor riparian vegetation recovery (\$2,000 - 1261)
    - 2. Monitor shrub-steppe vegetation recovery (4,000 - 1261)
    - 3. Monitor migratory bird use of replanted areas (10,000 - 1261)

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<sup>1</sup> Non-9262 funding

## PART H - CONSULTATIONS

Confederated Tribes of the Umatilla  
Carl Scheeler, Natural Resources  
Jeff Van Pelt, Natural Resources

## PART I - REVIEW AND APPROVAL

U.S. Fish and Wildlife Service

I. Suppression Operations (9261) Funding Approval (check one box below):

**G** Approved

**G** Approved with Revision (see attached)

**G** Disapproved

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Project Leader, Mid-Columbia River Refuges Complex

Date

II. Emergency Rehabilitation (9262) Funding Approval (check one box below):

**G** Approved

**G** Approved with Revision (see attached)

**G** Disapproved

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Regional Director, Region 1

Date

Regional Fire Management Coordinator concurrence that the plan fits the technical definition for use of Emergency Rehabilitation finding.

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Regional Fire Management Coordinator, Region 1

Date

III. Agency Operational Base (1261) Funding Approval (check one box below):

**G** Approved

**G** Approved with Revision (see attached)

**G** Disapproved

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Regional Director, Region 1

Date

III. Emergency Rehabilitation (9262) Funding Approval (check one box below):

**G** Approved

**G** Approved with Revision (see attached)

**G** Disapproved

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Chief, National Wildlife Refuge System, Washington, D.C.

Date

## APPENDIX I - ENVIRONMENTAL COMPLIANCE

### Federal, State, and Private Lands Environmental Compliance Responsibilities

All projects proposed in the Port Kelley Fire Burned Area Emergency Stabilization and Rehabilitation (ESR) Plan that are prescribed, funded, or implemented by Federal agencies on Federal, State, or private lands are subject to compliance with the National Environmental Policy Act (NEPA) in accordance with the guidelines provided by the Council on Environmental Quality (CEQ) Regulations (40 CFR 1500-1508); Department of the Interior Manual, Part 516, U.S. Fish and Wildlife Service, NEPA Guidelines, Part 516 DM 6, Appendix 1; and DOE, NEPA Regulations (10 CFR Part 1021). This Appendix documents the ESR Team considerations of NEPA compliance requirements for prescribed rehabilitation and monitoring actions described in this plan for all jurisdictions affected by the Port Kelley Fire burned area emergency.

### Related Plans and Cumulative Impact Analysis

McNary National Wildlife Refuge Operational Management Plan for the Wallula Unit Plan (approved March 2001). The Wallula Unit Operational Management Plan was reviewed and it was determined that actions proposed in the Port Kelley Fire ESR Plan within the boundary of the McNary National Wildlife Refuge are consistent with the management objectives established in the plan.

Mid-Columbia River National Wildlife Refuge Complex Fire Management Plan (approved Sept. 24, 2001). The Mid-Columbia National Wildlife Refuge Complex Fire Management Plan was reviewed and it was determined that actions proposed in the Port Kelley Fire ESR Plan within the boundary of the McNary National Wildlife Refuge are consistent with the management objectives established in the Fire Management Plan. The Fire Management Plan NEPA compliance process specifically addresses:

- Threatened and endangered species effects.

### Cumulative Impact Analysis

Cumulative effects are the environmental impacts resulting from the incremental impacts of a proposed action when added to other past, present, and reasonably foreseeable future actions, both Federal and non-Federal. Cumulative impacts can result from individually minor, but collectively significant actions taking place over a period of time. The emergency protection and rehabilitation treatments for areas affected by the Port Kelley Fire, as proposed in the Port Kelley Fire ESR Plan, do not result in an intensity of impact (i.e. major ground disturbance, etc.) that would cumulatively constitute a significant impact on the quality of the environment. The treatments are consistent with the above jurisdictional management plans and associated environmental compliance documents and categorical exclusions listed below.

### Applicable and Relevant Categorical Exclusions

U.S. Fish and Wildlife Service: The individual actions proposed in this plan for Wallula Unit, McNary National Wildlife Refuge are Categorically Excluded from further environmental analysis as provided for in the Department of the Interior Manual Part 516 and U.S. Fish and Wildlife Service, NEPA Guidelines,

Part 516 DM 6, Appendix 1. All applicable and relevant Department and Agency Categorical Exclusions are listed below. Department exceptions (516) DM 2.3 do not apply to any of the individual actions proposed. Categorical Exclusion decisions were made with consideration given to the results of required emergency consultations completed by the ESR Team and documented below.

#### Applicable Department of the Interior Categorical Exclusions

- 516 DM2 App. 2,1.6. Non-destructive data collection, inventory (including field, aerial, and satellite surveying and mapping), study, research and monitoring activities.
- 516 DM 6 App. 4.4 A. Operations, maintenance, and replacement of existing facilities (includes road maintenance).
- 516 DM 6 App. 4.4 L(5) Emergency road repairs under 23 U.S.C. 125.
- 516 DM 6 App. 7.4 C(3) Routine maintenance and repairs to non-historic structures, facilities, utilities, grounds and trails.
- 516 DM 6 App. 7.4 C(19) Landscaping and landscape maintenance in previously disturbed or developed areas.

#### Applicable U.S. Fish and Wildlife Service Categorical Exclusions

- 516 DM 6 App. 1.4B (1) Research, inventory, and information collection activities directly related to the conservation of fish and wildlife resources which involve negligible animal mortality of habitat destruction, no introduction of contaminants, or no introduction of organisms not indigenous to the affected ecosystem.
- 516 DM 6 App. 1.4B (3) I. The installation of fences.
- 516 DM 6 App. 1.4B (3)iii. The planting of seeds or seedlings and other minor re-vegetation actions.
- 516 DM 6 App. 1.4B (3)v. The development of limited access for routine maintenance and management purposes.
- 516 DM 6 App. 1.4B (5) Fire management activities, including prevention and restoration measures, when conducted in accordance with Departmental and Service procedures.
- 516 DM 6 App. 1.4B (6) The reintroduction or supplementation (e.g. stocking) of native, formerly native, or established species into suitable habitat within their historic or established range, where no or negligible environmental disturbances are anticipated.

#### Statement of Compliance for the Port Kelley Fire Burned Area Emergency Stabilization and Rehabilitation Plan.

This section documents consideration given to the requirements of specific environmental laws in the development of the Port Kelley ESR Plan. Specific consultations initiated or completed during development and implementation of this plan are also documented. The following executive orders and legislative acts have been reviewed as they apply to the Port Kelley Fire ESR Plan:

- National Historic Preservation Act (NAPA).
- Executive Order 11988. Flood plain Management.
- Executive Order 11990. Protection of Wetlands.
- Executive Order 12372. Intergovernmental Review.

- Executive Order 12892. Federal Actions to Address Environmental Justice in Minority and Low-income Populations.
- Endangered Species Act.
- Secretarial Order 3127. Federal Contaminated
- Clean Water Act.
- Clean Air Act.

#### CONSULTATIONS

- Confederated Tribes of Umatilla
- U.S. Army Corps of Engineers

NEPA Checklist: If any of the following exception applies, the ESR Plan cannot be Categorically Excluded and an Environmental Assessment (EA) is required.

(Yes) (No)

- ☐ (X) Adversely affect Public Health and Safety
- ☐ (X) Adversely affect historic or cultural resources, wilderness, wild and scenic rivers aquifers, prime farmlands, wetlands, floodplains, ecologically critical areas, or Natural Landmarks.
- ☐ (X) Have highly controversial environmental effects.
- ☐ (X) Have highly uncertain environmental effects or involve unique or unknown environmental risks.
- ☐ (X) Establish a precedent resulting in significant environmental effects.
- ☐ (X) Relates to other actions with individually insignificant but cumulatively significant environmental effects.
- ☐ (X) Adversely effects properties listed or eligible for listing in the National Register of Historic Places
- ☐ (X) Adversely affect a species listed or proposed to be listed as Threatened or Endangered.
- ☐ (X) Threaten to violate any laws or requirements imposed for the "protection of the environment" such as Executive Order 11988 (Flood plain Management) or Executive Order 11990 (Protection of Wetlands).

National Historic Preservation Act

Ground Disturbance:

- ☒ None
- ☐ Ground disturbance did occur and an archeologist survey, required under section 110 of the NHPA will be prepared. A report will be prepared under contract as specified by the ESR Plan.

A NHPA Clearance Form:

- ☐ Is required because the project may have affected a site that is eligible or on the national register. The clearance form is attached. SHPO has been consulted under Section 106.
- ☒ Is not required because the ESR Plan has no potential to affect cultural resources.

Other Requirements

(Yes) (No)

- ☐ (X) Does the ESR Plan have potential to affect any Native American uses? If so, consultation with affiliated tribes is needed.
- ☒ ( ) Are any toxic chemicals, including pesticides or treated wood, proposed for use? If so, local agency integrated pest management specialists must be consulted.

I have reviewed the proposals in the Port Kelly Fire Burned Area Emergency Stabilization and Rehabilitation Plan in accordance with the criteria above and have determined that the proposed actions would not involve any significant environmental effect. Therefore it is categorically excluded from

further environmental (NEPA) review and documentation. Coordination and consultation to insure compliance with the National Historic Preservation Act, Endangered Species Act, Clean Water Act and other Federal, State and local environment review requirements has been completed.

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Wildlife Biologist, Mid-Columbia River Refuges Complex

Date

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Project Leader, Mid-Columbia River Refuges Complex

Date



## APPENDIX II - MAPS

- Fire Perimeter
- Suppression Impacts
- Threatened and Endangered Species Areas

## APPENDIX III - PHOTO DOCUMENTATION